BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : BALANCE WORKS TO SAMUDHAYA BHAVANA IN WARD NO.2

Agency	Sri. K.Gopireddy, #3, 1st Main, Ramachandrappa layout, Veerana Palya, Arabic College Post, Bangalore-560045
	EIRL
Approved Amount	7562790.000
Name of Contractor:-	Sri. K.Gopireddy
Tender premium:-	+4.99% (Above)

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E1	Providing and Fixing pre cast covering Slab 100 mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work.curing.including cost of alll materials, labour.hire charges of machinery. loading, unloading, lead and lift.transportation etc .complete.As per Engineer incharge(Data rate)	Sqm	38.33	2337.00	89565.53	alternative	No	-	No(Data Rate)	

Sl No	Item Of Work	Unit	Estimate qty	Rate from EIRL Rate analysis	Amount (Rs.)	Whether the item alternative in tender or additional items	Whether the extra item is included in sanctioned estimate	How the Cost is proposed to be met	Whether extra item is included in S.R.	Remarks
1	2	3	4	5	6	7	8	9	10	11
E2	Stone cleaning using biodegradable liquid solution The granite stone surface to be cleaned by means of coconut wire brush and dry cloth and there after apply safe N easy/Equivalent Bio-degradeable liquid solution on the cleaned surface with Nilon brush or sponge to an extent, towards upwards from the bottom, approximate 1 liter covers 10 Sqmtr and let the soaked surface react with the applied chemical. the depositis of dust , dirt and other material depositis on the surface and finally to be cleaned after two hours of application. connect a water pipe with water source to wash with pressure of 130ps per seccound on the safe nN easy/equivalent bio- degradable liquid solution applied surface, untill the deposit of dirt, hydro carbon soils and alge from the surface and pores of the substrate is completely removed. The principal properties of the stone is to be retained without any slightest pitting on the surface to dry from the natural environment fopr a day or 24hrs, the	Sqm	752.96	412.74	310773.18	alternative	No		Yes, ((Pg No.303, It No.38.33.1) of KPWD S.R 2018-19).	
	TOTAL EIRL AMOUNT				400338.71					

PERCENTAGE OF EXCESS COMPARING TO SANCTIONED COST $\frac{400338.71}{7562790.00} \times 100 = 5.29\ \%$

Contractor

Assistant Engineer 22/10/2020

Assistant Executive Engineer

Executive Engineer

"EIRL APPROVED"

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)

Agency	Sri. K.Gopireddy, #3, 1st Main, Ramachandrappa layout, Veerana Palya, Arabic College Post, Bangalore-560045

WORK SLIP

Approved Amount	7562790
Name of Contractor:-	Sri. K.Gopireddy, #3, 1st Main, Ramachandrappa layout, Veerana Palya, Arabic College Post, Bangalore-560045

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	cum	64.56	509.12	32868.79	80.85	80.70	509.12	41086.0	0.15	509.12	77.23	41163.22	8294.43		
2	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications.	cum	0.20	2754.22	550.84	0.98	0.25	2754.22	688.6	0.73	2754.22	1999.57	2688.12	2137.28		
3	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	38.75	5785.12	224173.40	51.91	48.44	5785.12	280216.8	3.47	5785.12	20091.71	300308.46	76135.06		

Sl No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty upto 125%			Qty above 125%			Total Amount	Extra amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
4	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost	Cum	5.53	6147.96	33998.22	8.20	6.91	6147.96	42497.8	1.29	6147.96	7939.79	50437.56	16439.34		
5	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as	Cum	21.45	6041.38	129587.60	33.42	26.81	6041.38	161984.5	6.60	6041.38	39902.08	201886.59	72298.98		
7	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications.	Cum	9.36	227.91	2133.24	20.18	11.70	227.91	2666.5	8.48	227.91	1933.07	4599.61	2466.38		
8	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons.	Sqm	2.40	292.54	702.10	6.24	3.00	292.54	877.6	3.24	292.54	947.84	1825.46	1123.37		

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars,post and struts, circular or curved in plan including cost of all materials, labour complete as per specifications.	Sqm	5.71	1035.24	5911.22	25.7	7.14	1035.24	7389.0	18.55	1035.24	19206.35	26595.38	20684.16		
10	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaiton.	Sqm	6.60	354.91	2342.41	19.0	8.25	354.91	2928.0	10.77	453.56	4884.81	7812.81	5470.41		
11	:Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications.	Sqm	1.11	856.09	950.26	3.3	1.39	856.09	1187.8	1.91	856.09	1637.27	2825.09	1874.83		
14	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and First Floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing,	cum	0.65	6590.18	4283.62	2.7	0.81	6590.18	5354.5	1.88	6590.18	12373.06	17727.58	13443.97		

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
15	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing	Cum	0.65	6854.38	4455.35	1.1	0.81	6854.38	5569.2	0.24	6854.38	1627.91	7197.10	2741.75		
18	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tonne	0.31	80467.78	24945.01	0.73	0.39	80467.78	31181.3	0.34	73033.98	25000.49	56181.75	31236.74		
19	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tonne	0.24	82164.08	19719.38	0.29	0.29	82164.08	23686.9	0.00	246.05	0.00	23686.86	3967.48		

Sl No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
27	Providing rough cement plastering 15mm thick(rough plastring) in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, inclding cost of materials, labour, curing complete as per specifications ,	sqm	21.69	246.05	5336.82	28.4	27.11	246.05	6671.0	1.28	246.05	313.94	6984.97	1648.15		
29	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	sqm	5.04	280.07	1411.55	6.3	6.30	280.07	1764.4	0.00	-	0.00	1764.44	352.89		
31	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm	59.70	102.05	6092.39	1649.2	74.63	102.05	7615.5	1574.57	102.05	160685.43	168300.91	162208.53		
32	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	258.83	115.66	29936.28	569.6	323.54	115.66	37420.3	246.10	115.66	28463.18	65883.53	35947.25		

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
33	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour,	Sqm	37.95	124.73	4733.50	218.8	47.44	124.73	5916.9	171.32	124.73	21368.71	27285.59	22552.08		
34	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials,	Sqm	5.04	720.02	3628.90	6.7	6.30	720.02	4536.1	0.42	720.02	304.57	4840.70	1211.79		
35	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing	Sqm	199.32	1396.95	278440.07	213.9	213.93	1396.95	298846.7	0.00	-	0.00	298846.72	20406.65		

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
36	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing	sqm	5.04	1376.54	6937.76	6.7	6.30	1376.54	8672.2	0.42	1376.54	582.28	9254.48	2316.72		
44	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour,	sqm	21.69	1855.05	40236.03	24.7	24.73	1855.05	45868.0	0.00	-	0.00	45867.97	5631.93		
45	ISOPROOF SEALER Providing waterproof treatment to roof slab using 2 coats of acrylic co polymer elastomeric ISOPROOF sealer & protector. The surface shall be prepared free of tar, dust, fungus, loose particles etc.,The surface shall be applied with basecoat of crystallization liquid and then ISOPROOF, wetting agent and liquid (1:1:6) over the prepared surface. In addition the surface shall be provided with polysulphide/ acrylic sealant to V groves, making haunch at junction of parapet and roof slab and at damaged portion using patching mortar to drain off rain water. Over this one coat of flexible cementatious membrane (FCM), Spreading 2 layers of 40 gsm non woven geotextile membrane as reinforcing	Sqm	11.64	1111.21	12934.48	19.02	14.55	1111.21	16168.1	4.47	1111.21	4967.13	21135.23	8200.75		
48	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc.,	Cum	9.38	70.44	660.73	20.2	11.73	70.44	825.9	8.46	70.44	595.66	1421.57	760.84		

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
49	Providing and fixing M.S. Gate as per Chief Architect Drawing,using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc.,	Sqm	10.80	3415.28	36885.02	15.8	13.50	3415.28	46106.3	2.26	3415.28	7702.15	53808.43	16923.40		
51	Providing and fixing Veneer panelling, over the 50mmx35mm sal wood framework at spacing not exceeding 600mm c/c fixed to the wall and top covered out of 4mm thick approved quality vaneer, fixed over 12mm thick ply of approved brand, termite and water resistant, finished with melamine polish, complete including cost and conveyence of all materials, labour for all items of	Sqm	151.59	4239.62	642684.00	155.8	155.81	4239.62	660576.9	0.00	-	0.00	660576.89	17892.89		
52	Providing and Fixing of ACP Cladding panels with Mild Steel Structure of 4mm thick with Aludecor ACP Sheet, Alloy with Aluminium frame work including Structure. Mark Aluminium base , Red Acrylic. Mild steel pipe luvers including décor design works along form work such Scaffolding and finishing with two coats primer painting of approved design inclusive of all materials, Labour for all	Sqm	208.64	10236.53	2135749.62	229.8	229.81	10236.53	2352475.4	0.00	-	0.00	2352475.39	216725.77		

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
53	Providing flooring with 20mm thick polished Cadapa slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing	Sqm	2.34	1460.45	3417.45	5.8	2.93	1460.45	4271.8	2.83	1460.45	4131.83	8403.44	4985.98		
54	Stainless Steel Tables for Dining hall(Data rate)	Nos	2.00	10499.00	20998.00	3.0	3.00	10499.00	31,497.00	0.00	10499.00	0.00	31497.00	10499.00		
77	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications 5km lead= 57+2.0x1.28x5 =69.80	cum	40.50	217.96	8827.38	42.2	42.16	217.96	9188.6	0.00	-	0.00	9188.65	361.27		
78	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM, curing, form	cum	4.50	5692.45	25616.03	5.6	5.62	5692.45	31997.3	0.00	-	0.00	31997.26	6381.24		

Sl. No.	Description of Work	Unit	Qty as per Quoted Rate			Total Executed Quantity	Qty. upto 125%			Qty. above 125%			Total Amount	Excess amount	Savings	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amount				
79	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs. With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm	cum	15.75	7423.00	116912.25	16.1	16.10	7423.00	119484.3	0.00	-	0.00	119484.32	2572.07		
80	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	tonne	0.79	75936.10	59989.52	1.1	1.08	75936.10	81723.4	0.00	-	0.00	81723.43	21733.91		
	Grand total				**3928049.22**				**4373691.2**				**4745676.51**	**817627.29**	**0.00**	

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100

(817627.29/7562790.0)x100 = 10.81%

Percentage of Workslip **10.81%**

Contractor

Assistant Engineer 22/10/2020

WORKSLIP APPROVED

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer